



## City of Newport News

### Water Source Overview

Major sources are the Chickahominy River and the Lee Hall, Harwood's Mill, and Diascund Reservoirs. Newport News Waterworks (NNW) provides water service to approximately 400,000 people in the Peninsula sub-region of Hampton Roads, including the cities of Hampton, Poquoson, and Newport News, and portions of James City and York counties. Water use and projected demand data for the City of Newport News snapshot also includes use and demand data for the cities of Hampton and Poquoson.

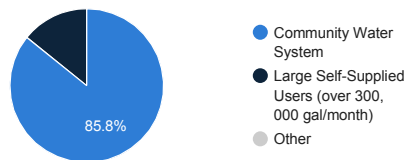
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Newport News in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	51.625	61.510
Large Self-Supplied Users (over 300,000 gal/month)	8.556	8.556
Small Self-Supplied Users (under 300,000 gal/month)	0.008	0.010

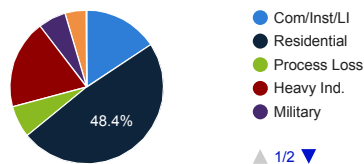
### Water Use by System Type

There are no reported users of private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

**\*Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



**\*Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



**\*Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Newport News in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
5.93	54.26	7.00	63.07

**\*Figure 3:** Newport News highlighted in the Commonwealth of Virginia



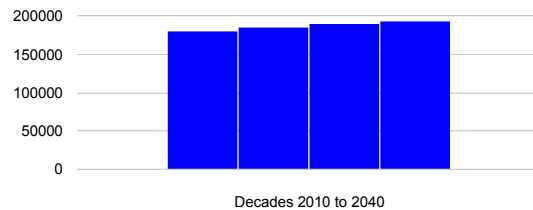
### Projected Water Demand

Population and demand are projected to increase through the planning period. Supplies are anticipated to meet projected demand for the HRPDC region.

**\*Table 3:** Newport News population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

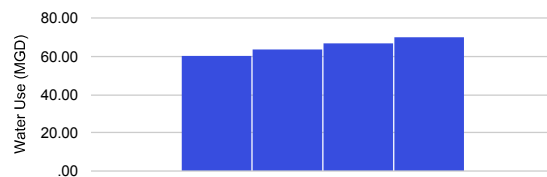
2010	2020	2030	2040	% Change (2010-2040)
180,719	185,196	189,890	193,838	7.2%

**\*Figure 4:** Newport News population projections by decade for 2010, 2020, 2030 & 2040



**\*Table 4 & Figure 5:** Newport News water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
60.19	63.48	66.78	70.08	16.4%



### Drought Management Practices

The City adopted an ordinance for the implementation and enforcement of the Drought Response and Contingency Plan. (Hampton Roads PDC Regional WSP)